

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	48	(wood periodic) adj2 (anomol\$4 rough\$5 rippl \$3 wave grating structure) with laser with (ablat\$4 melt\$4 fus \$3 liquid\$2)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 10:09
L6	87	interference near2 fringe with laser with (ablat\$4 melt\$4 fus\$3 liquid\$2)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 10:09
L7	135	L5 L6	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 10:09
L8	31	L7 and ablat\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 10:09
L9	10	L7 and ablat\$4 with thresh\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 10:09
L10	51	("3715596"   "3792379"   "4417948"   "4868006"   "4912696"   "5175043"   "5312396"   "5361275"   "5487080"   "5514618"   "5624435"   "5656186"   "5720894"   "6043452"   "6050990"   "6064682"   "6090507"   "6146715"   "6150630"   "6271924"   "6344898"   "6376799"   "6441356"   "6525821"   "6576867"   "6719916"). PN. OR	US_PGPUB; USPAT; USOCR	OR	ON	2009/09/18 10:46

		{"("2006/0138102"   "5417896"   "6552301"   "6741621"   "7091125").URPN.}				
L11	2275	(wood periodic) adj2 (anomol\$4 rough\$5 rippl \$3 wave grating structure) same laser	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 10:47
L12	7194	interference near2 fringe same laser	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 10:47
L13	3	(11 12) and 10	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 10:47
L14	3	13 and overlap\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 10:49
L15	3	13 and (overlap\$4 adjacent)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:03
L16	71	7 and (overlap\$4 adjacent)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:03
L17	38	7 and (interference periodic anomol\$4 rough \$5 rippl\$3 wave grating structure) with (overlap \$4 adjacent)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:04
L18	28	7 and (interference periodic anomol\$4 rough \$5 rippl\$3 wave grating structure) near3 (overlap \$4 adjacent)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:04
L19	18	7 and (interference periodic anomol\$4 rough \$5 rippl\$3 wave grating structure) near3 (overlap \$4 adjacent) and periodic with laser	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:11

L20	15	19 and overlap\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:13
L21	2	"20060138102"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:37
L22	1	L21 and heat	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:37
L23	0	L21 and react\$3	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:38
L24	0	L21 and gas	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:38
L25	1	L21 and film	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:38
L26	0	"20040124184" and ablat\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:40
L27	0	"20040124184" and etch\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:40
L28	2	"20040124184" and periodic\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:41
L29	2	"20040124184" and periodic\$4 with (laser beam)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:41

L30	539	laser with (etch\$4 ablat\$4 erosion erod\$4) same periodic\$4 with (laser beam)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:42
L31	83	laser with (etch\$4 ablat\$4 erosion erod\$4) same periodic adj (structure grating groov\$4 ridge wave) with (laser beam)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:43
L32	55	laser with (etch\$4 ablat\$4 erosion erod\$4) with periodic adj (structure grating groov\$4 ridge wave) with (laser beam)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:43
L33	21	laser near3 (etch\$4 ablat\$4 erosion erod\$4) with periodic adj (structure grating groov\$4 ridge wave) with (laser beam)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:44
L34	209	(11 12) and (laser beam) near3 angle with (periodic structure)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:50
L35	44	(11 12) and (laser beam) near3 angle with (periodic structure) with (chang\$4 modif\$9)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:50
L36	26	35 and ablat\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:58
L37	36	35 and etch\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:58
L38	30	35 and etch\$4 with laser	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:58
L39	43	35 and laser with (period\$4 structure)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 12:59

L40	12	(US-20060138102-\$ or US-20040124184-\$). did. or (US-6552301-\$ or US-6741621-\$ or US-7091125-\$ or US-5417896-\$ or US-5558789-\$ or US-6376799-\$ or US-6859318-\$ or US-4560249-\$ or US-4673241-\$ or US-7421158-\$). did.	US_PGPUB; USPAT	OR	ON	2009/09/18 13:20
L41	3	40 and lithography	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 13:20
L42	158	laser with (inciden\$4 near angle) and laser with (direction near scan \$4) and laser with polarization	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 13:35
L43	12	laser with (inciden\$4 near angle) and laser with (direction near scan \$4) and laser with polarization and laser with periodic	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 13:35
L44	12	laser with (inciden\$4 near angle) and laser with (direction near scan \$4) and laser with polarization and laser with periodic with (interference periodic anomol\$4 rough\$5 ripp\$3 wave grating structure)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 13:36
L45	4	laser with (inciden\$4 near angle) and laser with (direction near scan \$4) and laser with polarization and laser with periodic with (interference anomol\$4 rough\$5 ripp\$3 wave grating structure)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 13:36

L46	211	laser with (inciden\$4 angle) and laser with (direction) and laser with polarization and laser with periodic with (interference anomol\$4 rough\$5 ripp\$3 wave grating structure) not 45	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 13:37
L47	5	laser with (chang\$4 alter \$4 modif\$8) near3 (inciden\$4 angle) and laser with (chang\$4 alter \$4 modif\$8) near3 (direction) and laser with (chang\$4 alter\$4 modif\$8) near3 polarization and laser with periodic with (interference anomol\$4 rough\$5 ripp\$3 wave grating structure) not 45	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 13:38
L48	28	("20020097962"   "20030185697"   "20040013805"   "20040149705"   "20040182201"   "20040228754"   "20050029711"   "20060138102"   "5072091"   "5558789"   "6291797"   "6555781"   "6657155"   "6682688").PN.	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 13:42
L49	12	48 and (etch\$4 ablat\$4 melt\$4) with (laser beam)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 13:44
S1	2	"20060138102"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/17 13:18
S2	1	S1 and uniaxial\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/17 13:39

S3	1	S1 and uniaxial\$4 and biaxial\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/17 13:39
S4	0	S1 and reactive\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/17 13:43
S5	0	S1 and gas	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/17 13:43
S6	48	(wood periodic) adj2 (anomol\$4 rough\$5 rippl \$3 wave grating structure) with laser with (ablat\$4 melt\$4 fus \$3 liquid\$2)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/17 13:50
S7	1	S1 and threshold	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/17 13:50
S8	87	interference near2 fringe with laser with (ablat\$4 melt\$4 fus\$3 liquid\$2)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/17 13:56
S9	135	S6 S8	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/17 13:57
S10	62	S9 and periodic	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/17 13:57
S11	48	(wood periodic) adj2 (anomol\$4 rough\$5 rippl \$3 wave grating structure) with laser with (ablat\$4 melt\$4 fus \$3 liquid\$2)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 09:50

S12	87	interference near2 fringe with laser with (ablat\$4 melt\$4 fus\$3 liquid\$2)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 09:50
S13	135	S11 S12	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 09:50
S14	14	S13 and femto\$7	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 09:50
S15	51	S13 and overlap\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 09:54
S16	8	S13 and overlap\$4 with scan\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/18 09:54

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